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Application # 09/923,078

Attorney Docket # 1999-0748-CON-1 (1014-216)

AMENDMENTS

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An internet network based video replay system adapted for enabling a customer to view a video program comprising:

a-an access network for providing a plurality of access programs selectively available to enable a customer to select and view a selected-said video program; and

a replay portal directly connected to a backbone network and directly connected to said access network;

wherein the ~~network~~replay portal stores a plurality of video programs for a predetermined period of time to permit customers to view selected programs upon demand, the video program selected from the plurality of video programs.

2. (Currently Amended) The internet network based video replay system according to claim 1, wherein said video ~~programming program~~ is a live programming-of-events-event that is stored for a predetermined period of time to permit a user to time shift viewing of ~~selective programs~~said video program upon demand.

3. (Currently Amended) The internet network based video replay system according to claim 1, ~~and further including a wherein said~~ replay portal for storing a plurality of programs and ~~enabling~~ is adapted to enable a customer to selectively retrieve a selected program of said plurality of video programs for viewing.

4. (Original) The internet network based video replay system according to claim 3, wherein said replay portal stores an individual program for a predetermined period of time for selective

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viewing by a customer

5. (Original) The internet network based video replay system according to claim 4, wherein after a predetermined period of time the individual program is recorded over to enable a customer to retrieve one of a revised selection of a plurality of programs.

6. (Currently Amended) The internet network based video replay system according to claim 3, wherein a said backbone network is a high capacity backbone ~~is provided~~ network adapted to permit the replay portal to receive programs from live sources and from broadcasts for retransmission to customers.

7. (Original) The internet network based video replay system according to claim 3, wherein a replay portal receives programs from other replay portals for retransmission to customers.

8. (Original) The internet network based video replay system according to claim 1, and further including a primary hub for distributing programs to a secondary hub and fiber optical connections from the secondary hub to a fiber node for retransmission to individual customer homes.

9. (Currently Amended) The internet network based video replay system according to claim 1, wherein said access network includes a data sink for receiving network programs and live programs from a provider, a storage unit for receiving said network programs and live programs from the data sink and a data source for providing downstream viewing of selected programming.

10. (Currently Amended) The internet network based video replay system according to claim 9, and further including a storage manager unit for managing ~~the~~ a selection of a particular program

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by a customer and for addition and removal of data from a store.

11. (Original) The internet network based video replay system according to claim 10, wherein said storage manager is operative connected to a data sink for receiving data from upstream and writing the data to the store for a particular customer while making the data available for immediate delivery to a customer.

12. (Currently Amended) The internet network based video replay system according to claim 9, and further including a media manager for managing the selection of a particular program by a customer, said media manager including a backend frame format means for determining ~~the~~an encapsulation of media frames in real transport protocol.

13. (Currently Amended) The internet network based video replay system according to claim 1, wherein a customer is enabled to view, still pause, reverse and fast forward ~~the~~a viewing of the video program.

14. (Currently Amended) The internet network based video replay system according to claim 1, wherein ~~the~~an acquiring of the video program is by a unicast real time transport protocol or any other unicast protocol.

15. (Currently Amended) The internet network based video replay system according to claim 1, wherein ~~the~~an acquiring of the video program is by a multicast real time transport protocol or other multicast protocol.

16. (Currently Amended) The internet network based video replay system according to claim 1, wherein ~~the~~an acquiring of the video program is by inter portal communication.

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17. (Currently Amended) An internet network based video replay system according to claim 16, wherein the ~~transfer video program~~ is transferred by a unicast real time transport protocol or any other unicast protocol.

18. (Currently Amended) An internet network based video replay system according to claim 16, wherein the ~~transfer video program~~ is transferred by a multicast real time transport protocol or any other multicast protocol.

19. (Currently Amended) An internet network based video replay system adapted for enabling a customer to view a video program comprising:

~~a-an access~~ network for providing a plurality of access programs selectively available to enable a customer to view ~~a-selected~~said video program; and

a replay portal for storing ~~a-said~~ a plurality of access programs, said plurality of access programs for enabling a customer to selectively retrieve ~~a-selected~~said video program for viewing, said video program selected from a plurality of video programs, said replay portal directly connected to a backbone network and directly connected to said access network;

wherein the replay portal stores ~~a-said~~ a plurality of video programs for a predetermined period of time to permit customers to view, still pause, reverse and fast forward ~~the-a~~ viewing of selective programs said video program upon demand.

20. (Currently Amended) The internet network based video replay system according to claim 19, wherein said video ~~programming program~~ is ~~a live programming of events-event~~ that is stored for a predetermined period of time to permit a user to time shift viewing of ~~selective programs~~said video program upon demand.

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21. (Original) The internet network based video replay system according to claim 19, wherein said replay portal stores an individual program for at least one of a predetermined period of time and an undetermined period of time for selective viewing by a customer.

22. (Original) The internet network based video replay system according to claim 21, wherein after a predetermined period of time the individual program is recorded over enable a customer to retrieve one of a revised selection of a plurality of programs.

23. (Original) The internet network based video replay system according to claim 19, wherein a said backbone network is a high capacity backbone ~~is provided~~ network adapted to permit the replay portal to receive programs from live sources and from broadcasts for retransmission to customers.

24. (Original) The internet network based video replay system according to claim 19, wherein a replay portal receives programs from other replay portals for retransmission customers.

25. (Currently Amended) The internet network based video replay system according to claim 19, wherein said access network includes a data sink for receiving network programs and live programs from a provider, a storage unit for receiving said network programs and live programs from the data sink and a data source for providing downstream viewing of selected programming.

26. (Original) The internet network based video replay system according to claim 25, and further including a storage manager unit for managing the selection of a particular program by a customer and for addition and removal of data from a store.

27. (Original) The internet network based video replay system according to claim 26, wherein

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said storage manager is operative connected to a data sink for receiving data from upstream and writing the data to the store for a particular customer while making the data available for immediate delivery to a customer.

28. (Currently Amended) The internet network based video replay system according to claim 25, and further including a media manager for managing the selection of a particular program by a customer, said media manager including a backend frame format means for determining ~~the~~an encapsulation of media frames in a real time transport protocol.

29. (Currently Amended) The internet network based video replay system according to claim 19, wherein ~~the~~an acquiring of the video program is by a unicast real time transport protocol or by any other unicast protocol.

30. (Currently Amended) The internet network based video replay system according to claim 19, wherein ~~the~~an acquiring of the video program is by a multicast real time transport protocol or by any other multicast protocol.

31. (Currently Amended) The internet network based video replay system according to claim 19, wherein ~~the~~an acquiring of the video program is by inter portal communication.

32. (Currently Amended) The internet network based video replay system according to claim 31, wherein the video program transfer is transferred by a unicast real time transport protocol or any other unicast protocol.

33. (Currently Amended) The internet network based video replay system according to claim 31, wherein the video program transfer is transferred by a multicast real time transport protocol or

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any other multicast protocol.

34. (Currently Amended) An internet network based video replay system adapted for enabling customer to view a video program comprising:

~~a~~an access network for providing a plurality of access programs selectively available to enable a customer to view ~~a selected~~said video program; and

a customer replay portal for storing a said plurality of access programs for enabling a customer to selectively retrieve a selected program for viewing, said replay portal directly connected to a backbone network and directly connected to said access network;

wherein ~~the said~~ customer replay portal is maintained by said customer, said customer replay portal adapted to store a plurality of video programs for at least one of a predetermined period time and an undetermined period of time to permit the said customer to view, still pause, reverse and fast forward the a viewing of selective programssaid video program upon demand.

35. (Currently Amended) The internet network based video replay system according to claim 34, wherein said video ~~programming program~~ is a live programming program of events that is stored for a predetermined period of time to permit ~~a user~~said customer to time shift viewing of selective programs upon demand.

36. (Original) The internet network based video replay system according to claim 34, wherein a said backbone network is a high capacity backbone ~~is provided~~network adapted to permit the customer replay portal receive programs directly from live sources and from broadcasts.

37. (Currently Amended) The internet network based video replay system according to claim 34, and further including a media manager for managing the selection of a particular program by a customer, said media manager including a backend frame format means for determining ~~the an~~

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encapsulation of media frames in a real time transport protocol.

38. (Currently Amended) The internet network based video replay system according to claim 34, wherein ~~the~~an acquiring of the video program is by a unicast real time transport protocol or any other unicast protocol.

39. (Currently Amended) The internet network based video replay system according to claim 34, wherein ~~the~~an acquiring of the video program is by a multicast real time transport protocol or any other multicast protocol.

40. (Currently Amended) The internet network based video replay system according to claim 34, wherein ~~the~~an acquiring of the video program is by inter portal communication.

41. (Currently Amended) The internet network based video replay system according to claim 40, wherein ~~the~~an acquiring of the video program is by transfer from a network based portal operated by a service provider.

42. (Currently Amended) The internet network based video replay system according to claim 40, wherein ~~the~~an acquiring of the video program is by transfer from a network based portal operated by another customer.